

IN THE CLAIMS

1. (Currently amended) A fuse bank of a semiconductor memory device

comprising:

a first laser fuse which includes a first laser fusing region which is disposed in a first direction, a first connecting line region partially in the first laser fusing region, which the first connection line region is disposed to be bent in a second direction, and a second connecting line region partially in the first laser fusing region, the second connecting line region which is disposed to be bent in a third direction; and

a second laser fuse which includes a second laser fusing region which is disposed in the first direction, a third connecting line region partially in the second laser fusing region, which the third connection line region is disposed to be bent in the second direction, and a fourth connecting line region partially in the second laser fusing region, the fourth connection line region which is disposed to be bent in the third direction,

wherein the first laser fuse and the second laser fuse are disposed adjacently in the fuse bank with a space of a predetermined distance there between, the first laser fusing region and the second laser fusing region form a laser fusing region of the fuse bank, and

the first laser fuse and the second laser fuse are disposed on a plane, such that a lateral size of the fuse bank is directly proportional to a pitch between the connecting line regions of the first and second laser fuses.

2. (Original) The fuse bank of claim 1, wherein the laser fusing region has a parallelogram shape.

3. (Original) The fuse bank of claim 1, wherein the first direction is perpendicular to the second direction and the third direction.

4. (Original) The fuse bank of claim 3, wherein the second direction is opposite to the third direction.

5. (Currently amended) A fuse bank of a semiconductor memory device comprising:

a first laser fuse group which has having multiple laser fuses disposed on a plane arranged in a first direction with a space of a predetermined distance there between; and

a second laser fuse group that has having multiple laser fuses disposed on the plane arranged in the first direction with a space of a predetermined distance there between, and wherein each laser fuse in each laser fuse group each include a laser fusing region which is disposed in the first direction, a first connecting line region partially in the first laser fusing region which is disposed to be bent in a second direction, and a second connecting line region which is disposed to be bent in a third direction, and that a lateral size of the fuse bank is directly proportional to a pitch between the connecting line regions of each laser fuse group.

6. (Original) The fuse bank of claim 5, wherein the laser fusing region has a parallelogram shape.

7. (Original) The fuse bank of claim 5, wherein the first direction is perpendicular to the second direction and the third direction.

8. (Original) The fuse bank of claim 7, wherein the second direction is opposite to the third direction.

9. (Original) The fuse bank of claim 5, wherein the first laser fuse group and the second laser fuse group are disposed repeatedly.

10. (Currently amended) A fuse bank of a semiconductor memory device comprising:
a first laser fuse group which has having multiple laser fuses arranged in a first direction with a space of a predetermined distance there between; and
a second laser fuse group that has having multiple laser fuses arranged in the first direction with a space of a predetermined distance there between,
wherein each laser fuse in each laser fuse group each includes a laser fusing region which is disposed in the first direction, a first connecting line region partially in the first laser fusing region which is disposed to be bent in a second direction, and a second connecting line region partially in the first laser fusing region which is disposed to be bent in a third direction,
the first laser fuse group and the second laser fuse group are disposed adjacently,

the first laser fuse group and the second laser fuse group are disposed to be symmetrical about the direction perpendicular to the first direction, and the first laser fuse group and the second laser fuse group are disposed on a plane, such that a lateral size of the fuse bank is directly proportional to a pitch between the connecting line regions of the first and second laser fuse groups.

11. (Original) The fuse bank of claim 10, wherein the laser fusing region has a parallelogram shape.

12. (Original) The fuse bank of claim 10, wherein the first direction is perpendicular to the second direction and the third direction.

13. (Original) The fuse bank of claim 12, wherein the second direction is opposite to the third direction.

14. (Original) The fuse bank of claim 10, wherein the first laser fuse group and the second laser fuse group are disposed repeatedly.

15. (Currently amended) A fuse bank, comprising:
a fuse region formed from a first fuse region and a second fuse region, the first and second fuse regions arranged parallel to each other in the a same direction in the bank, each with a first end and a second end; and
connecting lines connected to each of the first and second fuse regions, such that each of the first and second fuse regions has a connecting line on each end, wherein connecting lines on the first end are perpendicular to the first and second fuse regions and parallel to each other in a first direction and connecting lines on the second end are perpendicular to the first and second fuse regions and parallel to each other in a second direction, and that a lateral size of the fuse bank is directly proportional to a pitch between the connecting lines of the first and second fuse regions.

16. (Currently amended) The fuse bank of claim 15, the first and second fuse regions being offset from each other by a predetermined distance.

17. (Currently amended) The fuse bank of claim 15, connecting lines at each end of the fuse region being offset from each by other a predetermined distance.

18. (Currently amended) A fuse bank, comprising:

at least two fuses, each fuse comprising:

a plurality of fuse regions, each having a first end and a second end, the fuse regions arranged parallel to each other in the a same direction in the bank and offset from each other a predetermined distance; and

a plurality of connecting lines, one connecting line disposed at the first and second ends of each of the plurality of fuse regions, wherein the plurality of connecting lines are perpendicular to the direction of the plurality of fuse regions, and a lateral size of the fuse bank is directly proportional to a pitch between the connecting lines of each of the plurality of fuse regions.

19. (Currently amended) The fuse bank of claim 18, wherein the connecting lines disposed at the first end of a first fuse and a second fuse are arranged in a first direction and the connecting lines disposed at the second end of the first fuse and the second fuse are arranged in a second direction.

20. (Currently amended) The fuse bank of claim 18, wherein the connecting lines at the first end of a first fuse and the second end of a second fuse are arranged in a first direction and the connecting lines at the second end of the first fuse and the first end of the second fuse are arranged in a second direction.